

Horticulture

Michigan placed fourth nationally in value of wholesale sales of floriculture products in 2002. Reports from Michigan's 657 commercial growers (\$10,000 or more in gross sales) showed an estimated wholesale value of \$313.9 million for all surveyed floriculture crops, up 12 percent from last year's revised figure. This estimate includes summarized sales data as reported by growers with \$100,000 or more in sales plus a calculated wholesale value of sales for operations with sales from \$10,000 to \$99,999. The leading crop category breakdowns for Michigan operations with more than \$100,000 in sales were:

First, annual bedding/garden plants with \$154 million in sales.
 Second, herbaceous perennial plants with \$57 million in sales.
 Third, propagative materials with \$45 million in sales.
 Fourth, potted flowering plants with \$31 million in sales.

Michigan leads the nation in value of sales for 8 floriculture crops:

- Propagative (Unfinished) Annual Bedding/Garden plants, valued at \$37 million.
- Potted Geraniums (seed) with 16.2 million pots sold, valued at \$13.1 million.
- Other Flowering Hanging Baskets with 1.5 million baskets sold, valued at \$9.6 million
- New Guinea Impatiens Pots with 3.8 million pots sold, valued at \$5.1 million
- New Guinea Impatiens Hanging Baskets, 680,000 baskets sold, valued at \$4.4 million.
- Geranium Hanging Baskets (cuttings) with 512,000 baskets sold, valued at \$3.5 million.
- Begonia Hanging Baskets with 325,000 sold, valued at \$1.9

million.

- Marigold Hanging Baskets with 3,000 baskets sold, valued at \$17,000.

Other notable Michigan crops that ranked second in value of sales nationally were:

- Other Potted Herbaceous Perennials with 26.8 million pots sold, valued at \$45 million.
- Impatiens (flats) with 2.3 million flats sold, valued at \$16.9 million.
- Petunias (flats) with 1.4 million flats sold, valued at \$10.1 million.
- Potted Geraniums (cuttings) with 5.2 million pots sold, valued at \$8.6 million.
- Gladioli Cut Flowers (spikes) with 46.9 million spikes sold, valued at \$6.5 million.
- Begonias (flats) with 870,000 flats sold, valued at \$6.4 million.
- Potted Hosta with 1.9 million pots sold, valued at \$5.9 million.
- Marigolds (flats) with 688,000 flats sold, valued at \$5.1 million.
- Potted Easter Lilies with 1.4 million pots sold, valued at \$4.9 million.
- Impatiens Hanging Baskets with 428,000 baskets sold, valued at \$2.3 million.
- Petunia Hanging Baskets with 322,000 baskets sold, valued at \$1.8 million.
- Geraniums from Seed (flats) with 103,000 flats sold, valued at \$1.1 million.
- Pansy/Viola Hanging Baskets with 51,000 baskets sold, valued at \$283,000.

Floriculture crops: Number of growers by gross value of sales, 1998-2002

Year	\$10,000- \$19,999	\$20,000- \$39,000	\$40,000- \$49,000	\$50,000- \$99,999	\$100,000- \$499,999	\$500,000 or more	Total growers
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
1998	77	111	45	139	263	111	746
1999	78	82	49	190	222	117	738
2000	74	89	44	170	239	131	747
2001	57	83	47	161	239	121	708
2002	31	87	53	144	221	121	657

Floriculture crops: Growing area by type of cover, 1998-2002

Year	Glass greenhouses	Fiberglass and other rigid greenhouses	Plastic film greenhouses	Total greenhouse cover	Shade and temporary cover	Total covered area	Open ground
	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>Acres</i>
1998	4,515	3,643	33,174	41,332	836	42,168	2,298
1999	4,487	3,736	31,585	39,808	949	40,757	2,205
2000	4,441	4,096	32,665	41,202	1,106	42,308	3,299
2001	4,706	3,876	31,902	40,484	1,141	41,625	3,235
2002	4,578	4,635	39,719	48,932	2,182	51,114	3,583

Floriculture crops: Wholesale value of sales by category, 1998-2002

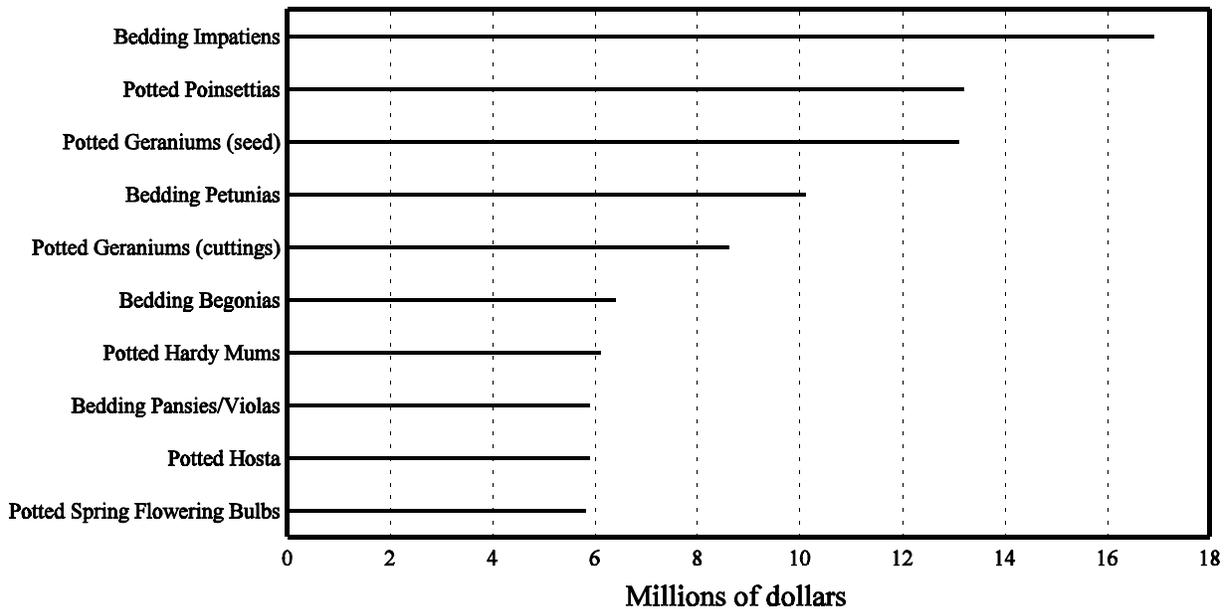
Year	Total cut flowers	Total potted flowering plants	Total foliage for indoor or patio use	Total bedding/garden plants	Total wholesale value of reported crops ¹	Expanded wholesale value of reported crops ²
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1998	8,551	27,621	3,056	172,615	211,509	228,444
1999	4,995	27,828	2,996	175,988	211,807	231,939
2000	7,624	32,363	3,601	188,648	254,953	273,517
2001	8,119	29,447	3,531	188,216	263,158	280,745
2002	8,298	30,660	3,644	210,627	298,588	313,918

¹ Total data for 1999 and 2000 are not comparable; total sales of propagative material were added in 2000.

² Wholesale value of sales as reported by growers with \$100,000 or more in sales of floriculture crops plus a calculated wholesale value of sales for growers with sales below \$100,000. The value of sales for growers below the \$100,000 level was estimated by multiplying the number of growers in each size group by the midpoint of each dollar range.

Selected Floriculture Crops, 2002

Value of Sales



Bedding plants: Producers, quantity sold, price, and value, 1998-2002

Item	Producers	Quantity sold	Percent of sales at wholesale	Wholesale price	Value of sales at wholesale
	<i>Number</i>	<i>1,000 flats</i>	<i>Percent</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Begonias					
2000	199	847	83	7.15	6,056
2001	209	1,025	86	7.06	7,237
2002	207	870	84	7.33	6,377
Geraniums					
1998	97	783	94	7.02	5,497
1999	99	757	88	8.28	6,268
Geraniums from cuttings					
2000	43	292	78	6.21	1,813
2001	27	85	39	12.25	1,041
2002	20	76	33	12.55	954
Geraniums from seed					
2000	50	219	93	8.11	1,776
2001	52	113	87	11.53	1,303
2002	45	103	89	10.31	1,062
Impatiens					
1998	269	3,314	81	5.88	19,486
1999	249	2,912	82	6.47	18,841
2000	251	2,403	83	6.81	16,364
2001	242	2,344	83	7.05	16,525
2002	215	2,289	88	7.39	16,916
Marigolds					
2000	205	789	89	6.87	5,420
2001	214	794	86	7.35	5,836
2002	210	688	90	7.45	5,126
New Guinea Impatiens					
1998	36	86	85	8.25	710
1999	58	151	84	9.21	1,391
2000	46	125	91	8.21	1,026
2001	40	99	83	11.17	1,106
2002	40	100	75	9.89	989
Pansies/Violas					
2000	195	679	90	6.67	4,529
2001	200	637	89	6.94	4,421
2002	201	802	92	7.35	5,895
Petunias					
1998	272	1,787	79	5.96	10,651
1999	250	1,651	85	6.35	10,484
2000	268	1,502	85	6.76	10,154
2001	259	1,484	86	7.03	10,433
2002	242	1,360	88	7.46	10,146
Other flowering and foliar					
1998	291	7,152	84	5.83	41,696
1999	259	7,683	88	6.36	48,864
2000	258	4,506	86	6.89	31,046
2001	243	3,985	86	6.91	27,536
2002	232	3,609	87	7.50	27,068
Vegetables ¹					
1998	189	1,008	72	6.69	6,744
1999	210	827	85	6.69	5,533
2000	218	720	83	6.99	5,033
2001	187	567	82	6.97	3,952
2002	180	561	84	7.24	4,062

¹ Does not include vegetable transplants grown for commercial use.

Hanging baskets: Producers, quantity sold, price, and value, 1998-2002

Item	Producers	Quantity sold	Percent of sales at wholesale	Wholesale price	Value of sales at wholesale
	<i>Number</i>	<i>1,000 baskets</i>	<i>Percent</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Begonias					
2000	148	261	83	5.61	1,464
2001	145	276	82	5.94	1,639
2002	139	325	84	5.84	1,898
Geraniums					
1998	230	497	71	6.46	3,211
1999	240	685	67	6.41	4,391
Geraniums from cuttings					
2000	211	485	73	6.39	3,099
2001	199	399	75	6.76	2,697
2002	201	512	81	6.80	3,482
Geraniums from seed					
2000	23	58	70	5.85	339
2001	30	101	76	5.82	588
2002	26	52	91	6.54	340
Impatiens					
1998	210	406	76	4.90	1,989
1999	218	438	79	4.94	2,164
2000	195	411	85	4.95	2,034
2001	186	376	86	5.49	2,064
2002	172	428	88	5.41	2,315
Marigolds					
2000	5	2	94	5.89	12
2001	3	4	100	5.61	22
2002	3	3	96	5.60	17
New Guinea Impatiens					
1998	233	574	80	6.28	3,605
1999	229	727	73	6.41	4,660
2000	226	607	82	6.45	3,915
2001	219	586	83	6.50	3,809
2002	213	680	88	6.44	4,379
Pansies/Violas					
2000	30	36	96	5.65	203
2001	27	33	87	5.57	184
2002	32	51	93	5.54	283
Petunias					
1998	183	164	76	5.12	840
1999	210	252	80	5.27	1,328
2000	178	251	85	4.96	1,245
2001	168	236	79	5.66	1,336
2002	161	322	87	5.66	1,823
Other flowering					
1998	244	1,465	71	6.12	8,966
1999	262	1,935	85	5.92	11,455
2000	189	1,346	82	5.95	8,009
2001	177	1,164	82	6.21	7,228
2002	182	1,544	88	6.24	9,635
Foliage					
1998	47	253	90	4.57	1,156
1999	55	315	93	5.06	1,594
2000	64	299	93	5.54	1,656
2001	52	306	95	4.95	1,515
2002	55	316	95	5.01	1,583

Potted flowering and annual bedding plants: Producers, quantity sold, price, and value, 1998-2002

Item	Producers	Quantity sold			Percent of sales at wholesale	Wholesale price		Value of sales at wholesale
		Less than 5 inch pots	5 inch pots or larger	Total		Less than 5 inch pots	5 inch pots or larger	
	<i>Number</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Azaleas								
1998	39	19	164	183	85	3.14	6.65	1,177
1999	34	16	149	165	84	3.27	6.81	1,113
2000	36	31	116	147	83	3.16	7.20	933
2001	34	14	110	124	69	3.47	6.64	779
2002	28		94	94	87		7.29	685
Begonias								
2000	65	397	31	428	63	1.05	1.92	476
2001	69	577	38	615	61	1.26	3.01	841
2002	71	458	54	512	80	1.08	1.60	689
Chrysanthemums, florist								
1998	41	100	458	558	95	1.49	3.91	1,940
1999	41	153	434	587	93	1.42	3.88	1,901
2000	38	127	320	447	87	1.69	3.87	1,453
2001	46	162	647	809	64	1.48	3.78	2,685
2002	36	104	504	608	98	1.69	3.00	1,688
Chrysanthemums, hardy garden								
1998	139	637	2,294	2,931	86	0.91	1.74	4,571
1999	131	828	2,692	3,520	93	0.99	2.18	6,688
2000	131	631	2,487	3,118	90	1.11	1.79	5,152
2001	119	255	2,670	2,925	90	1.21	1.76	5,008
2002	121	214	3,541	3,755	94	1.32	1.65	6,125
Geraniums from cuttings								
1998	228	6,355	1,173	7,528	78	1.33	2.55	11,443
1999	203	5,709	1,434	7,143	81	1.32	2.41	10,992
2000	222	3,298	1,369	4,667	67	1.54	2.43	8,406
2001	217	3,101	1,422	4,523	70	1.71	2.52	8,886
2002	206	4,059	1,186	5,245	78	1.40	2.45	8,588
Geraniums from seed								
1998	110	14,360	13	14,373	95	0.74	2.86	10,664
1999	104	14,469	108	14,577	97	0.72	2.99	10,741
2000	112	17,662	54	17,716	95	0.76	3.88	13,633
2001	100	15,391	39	15,430	95	0.77	5.45	12,064
2002	95	16,147	10	16,157	98	0.81	3.46	13,114
Marigolds								
2000	14		198	198	62		1.22	242
2001	12		212	212	65		1.45	307
2002	14		201	201	99		0.86	173
New Guinea Impatiens								
1998	193	1,469	234	1,703	79	1.14	3.49	2,491
1999	174	1,832	270	2,102	86	1.12	2.92	2,840
2000	190	2,848	287	3,135	89	1.10	3.93	4,261
2001	178	2,753	307	3,060	90	1.23	3.12	4,344
2002	168	3,524	230	3,754	95	1.23	3.27	5,087
Pansies/Violas								
2000	34	329	58	387	80	0.67	4.83	501
2001	25	280	64	344	80	0.66	1.93	308
2002	30	575	141	716	98	0.68	2.59	756

See footnote(s) at end of table.

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Potted flowering and annual bedding plants: Producers, quantity sold, price, and value, 1998-2002 (continued)

Item	Producers	Quantity sold			Percent of sales at wholesale	Wholesale price		Value of sales at wholesale
		Less than 5 inch pots	5 inch pots or larger	Total		Less than 5 inch pots	5 inch pots or larger	
	<i>Number</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Petunias								
1998	45	119	56	175	75	0.76	2.56	234
1999	61	179	190	369	92	0.97	2.10	573
2000	64	390	336	726	63	1.15	1.92	1,094
2001	49	360	243	603	56	1.12	2.16	928
2002	58	458	312	770	94	0.85	2.44	1,151
Poinsettias								
1998	100	1,111	2,584	3,695	83	2.01	3.96	12,466
1999	94	1,029	2,894	3,923	90	1.70	3.98	13,267
2000	97	1,375	3,138	4,513	87	1.23	3.88	13,867
2001	100	992	3,057	4,049	85	1.45	3.98	13,605
2002	92	915	2,844	3,759	90	1.60	4.12	13,181
Roses, florist								
2000	14	67	37	104	90	2.25	4.24	308
2001	17	52	55	107	95	2.69	4.23	373
2002	9	85		85	95	3.57		304
Flowering bulbs								
2000	43	735	999	1,734	97	1.59	3.31	4,475
2001	47	821	665	1,486	96	1.48	3.40	3,476
2002	49	666	1,467	2,133	99	1.52	3.29	5,839
Other flowering plants								
1998	91	1,171	1,013	2,184	94	1.41	3.67	5,369
1999	61	1,023	1,377	2,400	92	1.51	2.89	5,524
2000	66	982	722	1,704	88	1.64	4.43	4,809
2001	55	805	485	1,290	84	1.61	3.54	3,013
2002	59	977	452	1,429	87	1.58	4.28	3,478
Other flowering and foliar type bedding plants								
1998	215	8,427	8,740	17,167	83	1.07	3.38	38,558
1999	198	10,519	5,595	16,114	82	1.08	2.95	27,866
2000	131	9,571	1,848	11,419	80	1.01	2.87	14,970
2001	120	9,026	1,372	10,398	82	1.16	3.49	15,258
2002	119	10,237	2,799	13,036	95	1.07	3.10	19,630
Vegetable type ¹								
1998	66	470	153	623	64	0.77	1.28	558
1999	77	651	230	881	81	0.61	1.43	726
2000	73	871	135	1,006	88	0.65	1.79	808
2001	65	594	169	763	90	0.86	1.54	771
2002	69	1,066	163	1,229	93	0.69	2.16	1,088

¹ Does not include vegetable transplants grown for commercial use.

Herbaceous perennials: Producers, quantity sold, price, and value, 2000-2002

Item	Producers	Quantity sold				Percent of sales at wholesale	Wholesale price			Value of All sales at wholesale
		Less than 1 gallon	1 to 2 gallon	2 gallon and larger	Total		Less than 1 gallon	1 to 2 gallon	2 gallon and larger	
	<i>Number</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Hosta										
2000	106	996	1,040	40	2,076	93	2.75	3.76	7.21	6,938
2001	111	584	1,073	46	1,703	94	2.76	2.89	6.43	5,009
2002	107	936	876	45	1,857	92	2.50	3.70	6.04	5,853
Other										
2000	131	13,634	3,613	162	17,409	94	1.03	3.61	6.05	28,066
2001	136	13,890	5,110	317	19,317	94	1.25	3.06	5.90	34,869
2002	133	20,250	6,277	286	26,813	95	1.06	3.43	6.86	44,957